

# Converting Colors

YUV(89.5820, 23.8701,  
-49.6224)

Have a look what the booklet for  
YUV(89.5820, 23.8701, -49.6224)  
contains.

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# Color

**YUV(89.5820, 23.8701,  
-49.6224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	216D8A
RGB	33, 109, 138
RGB Percent	13%, 43%, 54%
CMY	0.8706, 0.5725, 0.4588
CMYK	0.76, 0.21, 0.00, 0.46
HSL	197°, 61%, 34%
HSV	197°, 76%, 54%
XYZ	10.6833, 13.0956, 26.0094
YIQ	89.5820, -54.6050, -7.0930

# Conversions

## Conversions Part 2

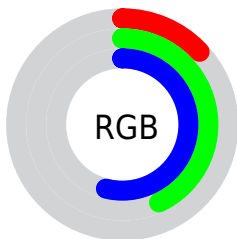
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 77, 138
Decimal	2190730
CIE <sub>Lab</sub>	42.91, -12.61, -22.53
CIE <sub>LCh</sub>	43, 25.819, 240.769
Yxy	13.0956, 0.2146, 0.2630
Android (android.graphics.Color)	4280380810 (0xFF216D8A)
YUV	89.5820, 23.8701, -49.6224
Hunter-Lab	36.1878, -10.6324, -17.2822

# Details

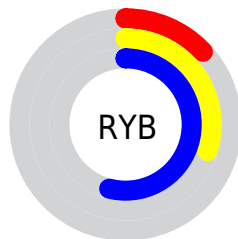
The YUV color **89.5820, 23.8701, -49.6224** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **81.4180, -23.8701, 49.6224**, and the grayscale version is **89.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **144.5010, 23.4170, -44.2894**, and **45.8390, 20.7854, -40.2008** is the 20% darker color. If you saturate the color by 10%, you get **83.0480, 27.0913, -56.1701**, and if you desaturate by 10%, it is **96.1160, 20.6488, -43.0747**.

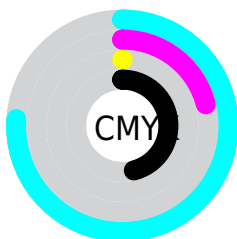
# Distribution



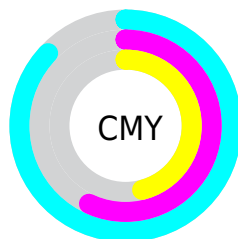
- Red (13%)
- Green (43%)
- Blue (54%)



- Red (13%)
- Yellow (30%)
- Blue (54%)



- Cyan (76%)
- Magenta (21%)
- Yellow (0%)
- Black (46%)



- Cyan (87%)
- Magenta (57%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 89.5820, 23.8701, -49.6224 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YUV color 89.5820, 23.8701, -49.6224 by changing the saturation by 10% instead.



89.5820, 23.8701,  
-49.6224

89.5820, 23.8701,  
-49.6224

255.0000, 0.0000,  
0.0000

62.6630, 24.3231,  
-54.9555

144.5010, 23.4170,  
-44.2894

45.8390, 20.7854,  
-40.2008

171.8000, 23.2696,  
-43.6746

30.7760, 16.3794,  
-26.9906

199.3270, 23.9958,  
-43.2598

16.5280, 12.5577,  
-14.4951

225.5200, 14.5336,  
-41.6750

2.9810, 8.8834,  
-2.6143

240.6480, 7.0755,  
-29.5093

0.0000, 0.0000,  
0.0000

249.3190, 2.8007,

-11.6808

■ 89.5820, 23.8701,  
-49.6224

■ 89.5820, 23.8701,  
-49.6224

■ 83.0480, 27.0913,  
-56.1701

■ 96.1160, 20.6488,  
-43.0747

■ 76.5140, 30.3126,  
-62.7178

■ 102.6500, 17.4275,  
-36.5271

■ 74.4320, 31.3390,  
-65.2769

■ 108.2980, 14.6431,  
-30.0793

■ 114.8320, 11.4218,  
-23.5317

■ 121.3660, 8.2006,  
-16.9840

■ 127.9000, 4.9793,  
-10.4363

■ 134.4340, 1.7580,  
-3.8886

■ 140.0820, -1.0264,  
2.5591

■ 146.6160, -4.2477,  
9.1068

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3430, 19.5509, -64.3218



89.5820, 23.8701, -49.6224



98.1060, 22.6257, -23.7720

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.5820, 23.8701, -49.6224



103.6820, -0.8292, 32.7279



97.9120, -16.7186, -4.3078

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



89.5820, 23.8701, -49.6224



81.4180, -23.8701, 49.6224

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.6970, -20.5566, 13.4207



89.5820, 23.8701, -49.6224



102.7610, -10.7282, 34.4126

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.5820, 23.8701, -49.6224



104.1350, 8.8074, 21.8066



101.4690, -17.9792, 26.7757



94.3100, -7.0548, -23.9509



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.5820, 23.8701, -49.6224



101.7060, 19.3719, -6.7582



101.4690, -17.9792, 26.7757



98.4890, -18.4821, 1.3251

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



89.5820, 23.8701, -49.6224



159.3980, 9.6638, -19.6430



97.8270, -18.1557, -56.8533



77.4160, 5.7109, -11.7658



217.0000, 0.0000, 0.0000



89.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5820, 23.8701, -49.6224



103.8480, 37.0499, -77.0427



59.0580, 38.9184, -22.8529



65.7330, 1.6106, -3.2738



71.5140, 30.3126, -62.7178



2.9180, 1.0264, -2.5591



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



73.0590, 17.7189, 56.9533



78.1890, 27.5148, 88.4112



111.3550, -38.6290, 23.3677



64.6630, 1.1521, 3.8035



50.7110, 22.3275, 72.1675



1.9510, 1.0102, 2.6740



# Previews

## White Background



This preview shows how the YUV color 89.5820, 23.8701, -49.6224 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 89.5820, 23.8701, -49.6224 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

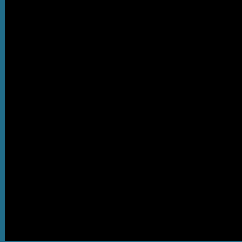
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 89.5820, 23.8701, -49.6224

## Background



This preview shows how black text looks on a background with the YUV color 89.5820, 23.8701, -49.6224.



This preview shows how white text looks on a background with the YUV color 89.5820, 23.8701,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

89.5820, 23.8701, -49.6224

### Protanopia

101.4410, 14.5726, -7.4028

### Deuteranopia

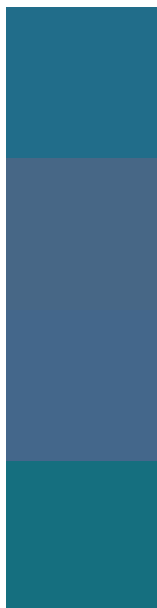
100.9720, 19.2408, -11.3764



## Tritanopia

83.7240, 18.3771, -61.1479

# Trichromacy



## Original Color

89.5820, 23.8701, -49.6224

## Protanomaly

96.9660, 18.2578, -22.7722

## Deuteranomaly

96.6390, 20.8840, -25.1164

## Tritanomaly

85.9140, 20.2554, -56.9296

# Monochromacy



## Original Color

89.5820, 23.8701, -49.6224

## Achromatopsia

90.0000, 0.0000, 0.0000

## Achromatomaly

89.7680, 8.4954, -18.2135

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 89.5820, 23.8701, -49.6224 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(33, 109, 138)` looks like.

```
.text, #text, p{  
    color:rgb(33, 109, 138)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(33, 109, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 109, 138) }
```

## Border

The CSS property to change the border of an element to YUV 89.5820, 23.8701, -49.6224 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(33, 109, 138) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(33, 109, 138) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(33, 109, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 109, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 109, 138);  
box-shadow:4px 4px 4px 4px rgb(33, 109,  
138) }
```

# Background

The CSS property to change the background color of an element to YUV 89.5820, 23.8701, -49.6224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 109, 138) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(33, 109,  
138) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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